alternating current (AC)	an electric current that reverses direction periodically	
ammeter	a meter used to measure electric current	
ampere (A)	the unit of the fundamental quantity of electric current; 1 ampere = 1 coulombe per second	
circuit breaker	a device used to stop electric current when there is a fault in an electric circuit	
conductor	a material that allows electric charge to flow easily through it	

conventional current	electric charge that flows from positive to negative
coulomb	the unit of electric charge equal to one ampere second
dipole	two small equal but opposite charges separated by a distance
direct current (DC)	current that flows in one direction only
drift velocity	the average speed of movement in one direction of charge carriers in a conductor

earth connection	the connection to the earth of an appliance to protect a user from electrocution	
electric charge	the property of matter which allows it to attract opposite charges and repel similar charges; can be positive or negative	
electric circuit	consists of a source of electric energy, a conduction pathway and a device that uses electric energy	
electric current	the rate of glow of electric charge past any point in a circuit	
electric field	the region in which a charge experiences an electric force	

electric field direction	the direction in which a positive charge would experience a force if placed in the field	
electric field strength	the force per unit positive charge acting on a charge in an electric field	
electric generator	a device used to convert mechanical energy into electrical energy	
electric potential difference (V)	the difference in electric potential energy per unit charge	
electric potential energy	the energy stored in a charge placed in an electric field	

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where current flows through a person

electromagnet

a number of coils of wire wrapped around a soft metal core which affects a compass and attracts iron objects when connected to a source of current

electromotive force (emf)

the energy per unit charge supplied by a source of electric current; it is equal to the open circuit potential difference across a cell or battery

electron

a negatively charged subatomic particle found in all neutral atoms

field

a region in which a physical force is operating; a region of influence

fuse	a device consisting of a wire that melts when a predetermined current flows through it
induction	the process of charging one object by bringing it near another charged object
insulator	a material that electric charge finds very difficult to move through